

Agenda for the Ninth Meeting of the  
**WORKING GROUP ON SUSTAINABLE DEVELOPMENT OF TIDAL AREAS (WG-SDTA)**  
 Yogyakarta, Indonesia  
 13 October 2010: 13:30-17:00 hours  
*Strategy Theme : Basin*

**Year of Establishment: 2001**

**Completion of the Mandate: 2010**

**Mandate :** (i) To collect information about the natural environment in tidal areas around the world; (ii) To identify sustainable development and conservation options in the tidal areas; and (iii) To find a balance between the preservation and development of tidal areas.

**Members :** (1) Dr. Park Sang Hyun, Chairman (Korea, Rep. of 2002); (2) Ir. Henk P. Ritzema, Vice-Chairman (The Netherlands, 2009); (3) Dr. Ruey-Chy Kao, Secretary (Chinese Taipei, 2009); (4) Vice President Hon. Prof. Cai Lingen (China, 2002); (5) Dr. Indreswari Guritno (Indonesia, 2002); (6) Dr. E.J. James (India, 2002); (7) Dipl. Ing. Bernd Probst (Germany, 2003); (8) Mr. Ueda Kazumi (Japan, 2003); (9) Mr. Teoh Weng Chaw (Malaysia, 2007); and (10) Secretary General, ICID.

**Observers :** (i) Dr. Jo Jin Hoon (Korea, 2009); (ii) Dr. Daesu Eo (Korea, Rep. of); (iii) Mr. Robiyanto Hendro Susanto (Indonesia); (iv) Mr. Harry Denecke (FAO/IPTRID); and (v) Dr. Dhimant B. Vyas (India).

**Websites:** <<http://www.wg-sdta.icidonline.org>> and <<http://www.webhard.co.kr>>

**Item 1 : Confirmation of the minutes of the 8<sup>th</sup> meeting of the Working Group**

The minutes of the 8<sup>th</sup> meeting of the Working Group held at New Delhi (2009), India will be confirmed.

**Item 2 : Review of membership of the Working Group**

The ICID-Chinese Taipei Committee (CTCID) has nominated (21 May 2010) Dr. (Ms) Hsiao-Wen Wang (Young Professional from Chinese Taipei) for the membership of the Working Group on SDTA. As per 56<sup>th</sup> IEC held at Beijing (2005), two nominations from a National Committee could be considered, provided one of the two nominees is a Young Professional. The CV of Dr. Hsiao-Wen Wang will be made available during the WG meeting for consideration and admission as a young professional.

Attendance of the members at the past meetings of the WG (2007, 2009) will be tabled during the meeting. It may be noted that the WG meeting did not take place in 2008 at Lahore, Pakistan due to scarce attendance.

**Item 3 : Publication of the WG document on SDTA**

The WG on SDTA came into being in 2001 and conducted numerous workshops, annual and interim meetings over last nine years. The aim of the WG was to fulfil the mandate and prepare the WG document on 'Towards Sustainable development of Tidal Areas: Some Principles and Experiences' by bringing out a special ICID publication.

## Editors

The Chapters and the concerned editors identified are:

Chapters	Description	Editor
1.	Introduction	Ir. Henk Ritzema (The Netherlands) and Ir. Jonathan Simm (UK)
2.	Planning Framework for Managing Tidal Area Development	Dr. Park Sang Hyun (Korea)
3.	Tidal Area Features and Natural Processes	Dr. Ruey-Chy Kao (Chinese Taipei) Dr. Inreswari Guritno (Indonesia) to lead, with support from India, Japan and Malaysia
4.	Engineering for Sustainable Development of Tidal Areas	Dr. Kazuaki Hiramatsu (Japan)
5.	Tidal Reclamations and Their Impacts on Natural Processes	Dr. Jo Jin Hoon (Korea), B. Probst (Germany)
6.	Towards an Integrated Decision Support Framework	Ir. Jonathan Simm (UK) and Ir. Henk Ritzema (The Netherlands)

In addition, Dr. Bart Shultz (The Netherlands) and Dr. Park (Korea) prepared the Foreword and Preface of the Handbook, respectively.

## Reviewers

The Chapters are being reviewed by professionals as listed below:

Chapters	Reviewers
Chapter 1: Introduction	Mr. Kim Ju Chang (Korea) Editor of previous WS Proceedings
Chapter 2: Planning Framework for Managing Tidal Area Development	Dr. S.Taniyama (Japan), Vice President Honoraire of ICID Dr. Hsiao-Wen Wang (Taiwan), Observer of WG SDTA
Chapter 3: Tidal Area Features and Natural Processes	Dr. Willem F. Vlotman (Australia), Vice President of ICID Dr. Indreswari Guritno (Indonesia), WG Member on SDTA
Chapter 4: Engineering for Sustainable Development of Tidal Areas	Dr. Bart Shultz (The Netherlands), President Honoraire of ICID Dr. Park S. H(Korea), Editor of Chapter 2
Chapter 5: Tidal Reclamations and Their Impacts on Natural Processes	Mr. Ueda K(Japan), WG Member on SDTA Ir. H. Ritzema(the NL) Editor of Chap. 1, 6
Chapter 6: Towards an Integrated Decision Support Framework	Dr. Hiramatsu (Japan), Editor of Chapt. 4 Dr. Vijay K. Labhsetwar (ICID), Director of ICID Central Office

The WG document is in its final phase of editing. All WG member and supporters are making all out efforts to publish the document and make it available at Yogyakarta (2010) meeting.

In addition, Mr. Kim Ju Chang (Korea) has agreed to review and integrate all of the chapter edition results. Ms. Chun-Yi Liu (Taiwan) has assisted the edition work of chapter 3 and Dr. Keiichiro Kobayashi (Japan) has supported the review of Chapter 4 and contributed valuable information from Japan.

The Chairman may apprise the WG members.

**Item 4 : Financial Support to publish the Handbook**

ICID Central Office estimated the cost of printing of the Handbook to be about US \$ 10,000 (without the DVD). The cost with DVD may marginally go up.

During the Interim Meeting in Taipei (2009), the representatives from Korea, Japan and Chinese Taipei agreed to share the cost based on a ratio: Korea: Japan: Chinese Taipei (40 %: 40%: 20%).

The Chairman requested (29 June 2010) the National Committees of Korea, Japan and Chinese Taipei Committee to provide the financial support to Central Office for publishing the SDTA Handbook as committed in the New Delhi meeting held in December 2009. Accordingly, the Chinese Taipei Committee has sent US \$ 2000 which Central Office has gratefully acknowledged. Share from Korea and Japan are awaited.

In addition, The Chairman proposed (22 July 2010) that Central Office will send the Letter of Cooperation including invoice and a publishing plan to Korea and Japanese NCs.

**Item 5 : A Special issue of ICID Journal on SDTA**

The issue of publishing a Special Issue on SDTA has been discussed on many occasions. It has been decided during the New Delhi (2009) meeting that the WG will focus on the special issue soon after the SDTA handbook is published in 2010. The WG-SDTA will sponsor the special issue in 2011. A special issue costs about US \$ 15,000 for about 10 papers and will be reviewed by Guest Editors. The 10 papers will be prepared based on contributions to the SDTA handbook. The other related issues (country wise papers, time frame, sponsoring countries etc) may be discussed during the meeting.

The Chairman may apprise the WG members.

**Item 6 : New mandate, tenure and membership**

Dr. Ruey-Chy Kao, Secretary provided (19 July 2010) the new mandate (1<sup>st</sup> draft) of the WG as below:

1. To enhance survey techniques and monitoring programs, and apply to collect information about the tidal area environment around the world.
2. To review the progression of natural wetland conservation and constructed wetland development in tidal areas, and identify sustainable management options in tidal areas.
3. To raise awareness of the increasing risk on tidal areas due to global climate change, stimulate discussion on impacts and mitigation, and find a balance between the preservation and development of tidal areas.
4. To join the international dialogue and organize international conferences to promote lowland management and evaluate the feasibility of tidal and ocean energy exploitation under global climate change.
5. To collaborate with other related working groups actively, and to provide relevant experiences to assist island, developing, and least developed countries.

The description of the WG activities (draft) is available in **Annex**.

The WG may deliberate on this new mandate, description of the WG activities, tenure and membership of new Working Group, including the title of the WG.

**Item 7 : New Work Plan / Future activities**

Dr. Park Sang Hyun, Chairman, WG-SDTA proposed (18 May 2010) to discuss the new work plan of the WG considering the following:

- Dissemination of the SDTA – Report among National Committees and related organizations, including translation of the Handbook by interested National Committees,
  - Preparation of papers for special issue (2011) of the ICID Journal,
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- Preparation of new study items on sustainable management of Tidal areas,
- Five years rolling plan for WG activities,
- Organization of Workshops, and
- Other issues.

The WG may deliberate and assign time bound responsibilities to members.

**Item 8 : Any Other Business**

- **Final review of Responsible Peatland Management Strategy Draft**

International Peat Society (IPS) is an international non-governmental and non-profit organization dedicated to focusing the advancement, exchange and communication of scientific, technical and social knowledge and understanding for the wise use of peatlands and peat. IPS has circulated the revised draft of the Strategy for Responsible Peatland Management (SRPM) to obtain general reactions before it is finalized.

The Central Office circulated (05 May 2010) the above amongst the WG members and requested to evaluate the strategy and submit their feedback indicating whether the strategy is endorsed / is not supported / is supported subject to named reservations, directly to Ms. Susann Warnecke <susann.warnecke@peatsociety.org>. Please access their website <<http://www.peatsociety.org>> for more information.

- **14<sup>th</sup> International Peat Congress in Sweden (2012)**

The 14<sup>th</sup> International Peat Congress (IPC) will be held during 3-8 June 2012 at Stockholm, Sweden. All members of the IPS have a special mission to care for the natural resources, peatlands and peat. IPS vision - the management of peatlands for the benefit of humankind now and in the future - implies that members must learn both how to utilise and how to protect these resources to reach the status we desire: peatlands in balance.

The Congress will be organised by TorvForsk, the Swedish Peat Research Foundation, which represents the Swedish National Committee of IPS, in collaboration with universities, research institutions and the peat industry. The more information is available at <<http://www.ipc2012.se>>.

Members may note.

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**WORKING GROUP ON SUSTAINABLE DEVELOPMENT OF TIDAL AREAS (WG-SDTA)****Description of the Mandate (Draft)**

Tidal areas, with abundant ecosystems, are important interactive water-land environments. Due to the global climate change, tidal areas are threatened complicatedly by rising sea level, extreme events (floods and droughts) and so on. It is hence urgent to revisit the past design and operational standards and methods of the existing irrigation and drainage facilities, and review the progression of natural and constructed wetlands in near shore, estuary, and tidal flat areas, and to better understand the changing tidal area environment by enhanced survey techniques and systematic monitoring programs. Aiming to reduce CO<sub>2</sub> and protect the ozone shield, green power generation such as wave or tidal current energy is adopted, hoping that by which measure we can slow down the climate change.

Under the pressure of human activities, coastal land in many countries has been subsiding due to over-pumping groundwater. Problems such as sea water intrusion, land salinization, and decreasing land value could then occur in higher potential. While tacking with the extreme events, we, as a working group, should initiate more discussions on and raise awareness of the increasing risk on tidal areas by joining international dialogues and organizing international conferences. As the ultimate goal for SDTA working group is to find a balance between the preservation and development of tidal areas, and thus provide relevant experiences to assist island, developing, and undeveloped countries, feasible strategies of sustainable lowland management to reduce the risk or appropriate exploitation of tidal and ocean energy to reduce carbon dioxide emissions should be formed.

(Prepared by Dr. Ruey-Chy Kao, Secretary, WG-SDTA)

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